IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : A. ITAI et al.

Group Art Unit: 1631

Appln. No. : 09/810,670

Examiner: M. A. Moran

Filed : March 19, 2001 as PCT/JP96/03325

For : DESIGN METHOD OF PHYSIOLOGICALLY ACTIVE COMPOUND

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
U.S. Patent and Trademark Office
Customer Service Window, Mail Stop
Randolph Building
401 Dulany Street
Alexandria VA 22314

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(c), Applicants direct the Examiner's attention to a Supplementary European Search Report, issued in connection with family member European Patent Application EP 96938454, as well as documents cited therein.

(1) Wang S., et al.: "The discovery of novel, structurally diverse protein kinase C agonists through computer 3D-database pharmacophore search. Molecular modeling studies", Journal of Medical Chemistry, Vol. 37, pp. 4479-4489, (1994);

(2) Ho C.M.W., et al.: "Foundation: A program to retrieve all possible structures containing a user-defined minimum number of matching query elements from three-dimensional databases." Journal of Computer-Aided Molecular Design, Vol. 7, pp. 3-22, (1993);

(3) Martin, Y.C.: "3D Database Searching in Drug Design", Journal of Medicinal Chemistry, Vol. 35, pp. 2145-2154, (1992);

(4) VanDrie, J.H., et al.: "Aladdin: An integrated tool for computer-assisted molecular design and pharmacophore recognition from geometric, steric, and substructure searching of three-dimensional molecular structures" Journal of Computer-Aided Molecular Design, Vol. 3, pp. 225-251, (1989); and

(5) Sheridan, R.P., et al.: "Searching for pharmacophores in large coordinate data bases and its use in drug design", Proc. Natl. Acad. Sci. USA, Vol. 86, pp. 8165-8169, (1989).

Copies of the above listed documents and of the Supplementary European Search Report for European Patent Application EP 96938454 are enclosed, together with a completed copy of PTO-1449 Form, listing these documents. The Examiner is requested to consider these documents and to indicate such consideration by returning an initialed copy of the PTO-1449 Form with the next official communication.

Applicants further direct the Examiner's attention to the following copending and commonly assigned U.S. patent application:

(6) Application No. 09/985,652, filed November 5, 2001 and entitled "METHOD OF PREDICTING FUNCTIONS OF PROTEINS USING LIGAND DATABASE", which is a continuation of U.S. Application No. 09/446,897, filed April 3, 2000, which is a continuation of International Application

PCT/JP98/02986, which was published as WO1999/01409, of which a copy is also provided herewith;

(7) WO1999/01409 A1 (referred to in No. 6, above).

Applicants note that this disclosure statement is filed after the events recited in Section 1.97(b) but, to the undersigned's knowledge, before the mailing date of either a Final action, Quayle action, or a Notice of Allowance. Under the provisions of 37 C.F.R. § 1.97(c), this Information Disclosure Statement is accompanied by a fee of $180.00 as specified by Section 1.17(p).

If there should be any questions, the Examiner is invited to contact the undersigned at the telephone number listed below.

Respectfully submitted,
A. ITAI et al.

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FORM PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. P20797	Application No. 09/810,670
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Applicant A. ITAI et al.	
		Filing Date March 19, 2001	Group 1631

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
	9	9 / 0 1 4 0 9		W.I.P.O.				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	1	Wang S., et al.: "The discovery of novel, structurally diverse protein kinase C agonists through computer 3D-database pharmacophore search. Molecular modeling studies", Journal of Medical Chemistry, Vol. 37, pp. 4479-4489, (1994).
	2	Ho C.M.W., et al.: "Foundation: A program to retrieve all possible structures containing a user-defined minimum number of matching query elements from three-dimensional databases." Journal of Computer-Aided Molecular Design, Vol. 7, pp. 3-22, (1993).
	3	Martin, Y.C.: "3D Database Searching in Drug Design", Journal of Medicinal Chemistry, Vol. 35, pp. 2145-2154, (1992).
	4	VanDrie, J.H., et al.: "Aladdin: An integrated tool for computer-assisted molecular design and pharmacophore recognition from geometric, steric, and substructure searching of three-dimensional molecular structures" Journal of Computer-Aided Molecular Design, Vol. 3, pp. 225-251, (1989).
	5	Sheridan, R.P., et al.: "Searching for pharmacophores in large coordinate data bases and its use in drug design", Proc. Natl. Acad. Sci. USA, Vol. 86, pp. 8165-8169, (1989).
	6	Application No. 09/985,652, filed November 5, 2001 and entitled "METHOD OF PREDICTING FUNCTIONS OF PROTEINS USING LIGAND DATABASE", which is a continuation of U.S. Application No. 09/446,897, filed April 3, 2000, which is a continuation of International Application PCT/JP98/02986, which was published as WO1999/01409, of which a copy is also provided herewith.

EXAMINER	DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.